ESE Independent Study:

IS Report Format and Requirements for Research

DUE: As indicated by instructor at least 3 days in advance of grading deadlines – Web-grading, graded according to Faculty Grade Processing Calendar for enrolled semester, DUE 3 working days prior to term grade input due date.

Please attend weekly research meetings as arranged with your ESE IS research instructor. Please follow your IS agreement, filled out form found here, signed by instructor and filed with Adam Sadoff or appropriate graduate school advisor.

1) [25%] Regular participation in Weekly Research Group meetings as arranged with your instructor and reading as primary or secondary reader from a related research list of quality peer-reviewed conference and journal publications as well as code bases. Participate in one-on-one discussions as you need on demand with instructor via Skype.

2) [75%] Write a report that includes [16 total pages including cover page, but not appendices or code]:

[1 page] Cover Page (list all group members clearly)

[1 paragraph] Introduction

[1 paragraph] Changes between original IS proposal and what was completed

[1 page] Functional Overview of prototype, PoC, experiment (description with block diagrams)

[1 page] Proof of Concept results (apparatus built, test setup, software developed)

[N pages] Step-by-step instructions to reproduce results

[N pages] Related research discussion (based on papers read individually and in group)

[N pages] Significance of results and Suggestions for Next Steps

[1 paragraph] Conclusion

[1 page] Formal References (and Attributions to Anyone who helped not on the team)

[N pages] Appendices with results, code and supporting material (to stay in page bounds), Note that your original IS proposal should be scanned and included in the Appendix
Overall, provide a well-documented professional report of your findings, output, and tests so that it is easy for a colleague (or instructor) to understand what you’ve done. Include any C/C++, OpenCL source code you write (or modify) and Makefiles needed to build your code. I will look at your report first, so it must be well written, must address each problem, and provide clear and concise responses. The goal of the report is to present what you learned, what you think is significant to the overall group research effort, and your work and instructions so some new researcher (or yourself next semester) can pick up and continue the work from your stopping point.